

Statistics M1 ENS 2016-2017. Data files that can be used for the personal projects.

Tom JM Van Dooren vandoore@biologie.ens.fr

From the publicly available data on Dryaddata.org, I have selected ten datasets that can be used for analysis. Each file is turned into a .csv file for use in R and compressed into a zip file "DataM12016.zip". Alternatively, the data objects are packed as data frames in an R workspace called "DataM12016.RData".

The separate data frames have names "data"+"dryad code", see below.

I list the webpages where the data are downloaded from, plus a short description of their content. A reference to the publication based on the analysis of a dataset can be found on the corresponding webpage.

♣ "Diet data of the gracile mouse opossum *Gracilinanus microtarsus* from Araujo et al. (2010), *Oikos* 119: 81-88, kindly provided by Dr Mauricio Araujo to Pierotti, Martin-Fernandez & Barcelo-Vidal for the simulations performed in this paper."

<http://datadryad.org/resource/doi:10.5061/dryad.k14f4>

♣ "A cost of being amicable in a hibernating marmot. Amicable social interactions can enhance fitness in many species, have negligible consequences for some, and reduce fitness in others. For yellow-bellied marmots (*Marmota flaviventris*), a facultatively social rodent species with demonstrable costs of social relationships during the active season, the effects of sociality on overwinter survival have yet to be fully investigated. Here, we explored how summer social interactions, quantified as social network attributes, influenced marmot survival during hibernation."

<http://datadryad.org/resource/doi:10.5061/dryad.cj421>

♣ "In a complex, semi-arid, fragmented, human-dominated agricultural landscape, we analyzed the habitat-use of blackbuck, a large herbivore endemic to the Indian sub-continent. We hypothesized that blackbuck would show flexible habitat-use behaviour and be risk averse when resource quality in the landscape is high, and less sensitive to risk otherwise."

<http://datadryad.org/resource/doi:10.5061/dryad.qd740>

♣ "We observed highly non-monotonic, mass change trajectories (overshooting adult mass by up to almost 20%) among common tern *Sterna hirundo* chicks, a well-studied species long-established as growing monotonically. We quantified the prevalence and magnitude of non-monotonic mass change prior to fledging for 313 common tern chicks that successfully fledged from two discrete populations in multiple years."

<http://datadryad.org/resource/doi:10.5061/dryad.fm36k>

♣ Demographic and spatiotemporal patterns of avian influenza infection at the continental scale, and in relation to annual life cycle of a migratory host.

<http://datadryad.org/resource/doi:10.5061/dryad.ks546>

♣ Data used in the article to test effects of tree size, neighbourhood competition and distance from nearest infected tree on probability of mistletoe infection and number of mistletoe plants on individual stems. Tree size is represented by diameter at breast height (DBH), competition by Hegyi competition index (CI_stem) and by number of trees in 12m radius around a tree. Distance data stand for the nearest distance to an infected stem infected by mistletoe of given minimum size (diameter in cm). Infection by mistletoe is indicated by 1 = infected, 2 = not infected.

<http://datadryad.org/resource/doi:10.5061/dryad.vk283>

Data on startle response durations (x8) with: Crab weight (WT); mean spermatophore length (SPERM); haemocyanin concentration (HC) and population (POP).

<http://datadryad.org/resource/doi:10.5061/dryad.bh980>

♣ This file contains flight initiation distance data from all of our study locations. These data were used to construct models of FID.

<http://datadryad.org/resource/doi:10.5061/dryad.bt52f>

♣ Data from: Sexual selection is influenced by both developmental and adult environments.

<http://datadryad.org/resource/doi:10.5061/dryad.mp2p2>

♣ Data from: Landscape diversity moderates the effects of bee visitation frequency to flowers on crop production.

<http://datadryad.org/resource/doi:10.5061/dryad.8m67m>